

METHODS AND APPARATUS FOR AUTHENTICATING THE DOWNLOAD OF INFORMATION ONTO A SMART CARD

5

ABSTRACT

Systems and methods for producing a digitally-computed acknowledgment of a delegated download event are disclosed. An information owner, such as the issuer of a smart card, delegates an information download to a third party. The information is downloaded from the third party to an information device, such as a smart card. The computed acknowledgment is a digital "seal" or signature (depending upon the type of cryptographic algorithm used). The seal or signature is preferably a cryptogram generated by the information device using cryptographic keys resident on the information device itself. This acknowledgment is then made available to the information owner, who may then test the cryptogram to determine whether the third party successfully completed the software download.